

## MULTI-LAYER DATA TRANSMISSION SCHEDULER

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### ABSTRACT OF THE DISCLOSURE

A data transmission scheduler sends different layers of data transmissions over a network at different times, according to available bandwidth. Data in the lowest layer is always sent immediately, without any delay, to form a basic image. Data in a higher layer or layers, which enhances the basic image, is sent during time periods of bandwidth otherwise unused. The scheduler operates to maintain an overall datarate equal to an average target bitrate. In other embodiments the scheduler can also maintain a maximum bursting datarate below a preset maximum.

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